Application No.: 10/783,522   Docket No.: MWS-109

AMENDMENTS TO THE CLAIMS

Please amend claims 1, 5, 8, 11, 12, 22, 28, 32 and 35 as follows.

1. (Currently Amended) A medium holding instructions executable in a computing device ~~for modifying a model of a biological process in response to experimental results generated by an in situ experiment conducted on an experimental device~~, the ~~instructions~~ medium comprising:

> instructions for ~~a simulation engine~~ generating an expected result from executing a model of ~~the~~ a biological process with a simulation engine; ~~and~~

> instructions for ~~an analysis environment in communication with said simulation engine, said analysis environment~~ gathering data from an in situ experiment of the biological process conducted on an ~~said~~ experimental device and comparing the expected result to the data gathered from said experimental device with an analysis environment that is in communication with said simulation engine;

> instructions for modifying the model of the biological process based on the data gathered from the in situ experiment; and

> instructions for saving the modified model in a storage.

2. (Previously Presented) The medium of claim 1 wherein said analysis environment outputs results of analysis performed by the analysis environment.

3. (Previously Presented) The medium of claim 2 wherein the analysis environment includes a graphical display for displaying the expected result generated by said simulation engine and the experimental data gathered from the device.

4. (Previously Presented) The medium of claim 1 wherein said analysis environment generates an event signal when the difference between the expected result generated by the simulation engine and the data gathered from the device exceeds a predetermined threshold.

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